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AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application:

Listing of Claims:

1. (CURRENTLY AMENDED) A method comprising:

specifying nodes present within a communication zone of a mobile node;

counting a number of overlaps the number of nodes present within each overlapping region between the a communication zone of the mobile node and communication zones of each of the specified nodes for each of the specified nodes; and

selecting, as a candidate node for next communication with the mobile node for hard handover in a non-cellular system, the specified node for which a largest number of overlaps has been counted in the communication zone of which the largest number of nodes have been counted.

2. (CURRENTLY AMENDED) A method comprising:

specifying neighbor nodes present within a communication zone of a mobile node;

specifying neighbor nodes for each specified neighbor node of the mobile node that are present within a communication zone of for a corresponding one of the specified neighbor nodes of the mobile node;

counting a number of overlaps between communication zones the number of specified neighbor nodes that are within the communication zone of the corresponding one of the specified neighbor nodes of the mobile node for each of the specified neighbor nodes; and

selecting, as a candidate node for next communication with the mobile node for hard handover in a non-cellular system, the specified neighbor node of the mobile node having a largest number of overlaps has been counted the largest number of specified neighbor nodes that are within its communication zone.

3. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the selection is not performed if the specified node in the communication zone of which the largest number of nodes have been counted is the same as a node with which the mobile node is currently in communication.

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4. (PREVIOUSLY PRESENTED) The method according to claim 3, wherein when there are a

plurality of specified nodes in the communication zone of which the largest number has been

counted, an arbitrary one node is selected.

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5. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the mobile node

performs said specifying, said counting, and said selecting at predetermined periods.

6. (PREVIOUSLY PRESENTED) The method according to claim 2, wherein the mobile node

performs said specifying the neighbor nodes present within the communication zone of the

mobile node, said specifying the neighbor nodes present within the communication zones of the

neighbor nodes, said counting, and said selecting at predetermined periods.

7. (PREVIOUSLY PRESENTED) The method according to claim 5, wherein the predetermined

period is changed in accordance with a movement speed of the mobile node.

8. (PREVIOUSLY PRESENTED) The method according to claim 5, wherein the predetermined

period is changed in accordance with an arrangement density of the specified nodes.

9. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the specified nodes

are mobile nodes.

10. (PREVIOUSLY PRESENTED) The method according to claim 2, wherein the specified

nodes are mobile nodes.

11. (CANCELED).

12. (CANCELED).

13. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the specified

nodes are uniformly dispersedly arranged.

14. (PREVIOUSLY PRESENTED) The method according to claim 2, wherein the specified

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nodes are uniformly dispersedly arranged.

15. (CURRENTLY AMENDED) An apparatus comprising:

a wireless transmitter; and

a processor operable to specify nodes present within a communication zone of a mobile

node which moves among a plurality of nodes dispersedly arranged; count a number of overlaps

the number of nodes present within each overlapping region between the a communication zone

of one of the mobile node and communication zones of each of the specified nodes for each of

the specified nodes; and select, as a candidate node for next communication with the mobile

node, the specified node for which a largest number of overlaps has been counted in the

communication zone of which the largest number of nodes have been counted, wherein the

candidate node is selected by the mobile node for hard handover in a non-cellular system.

16. (PREVIOUSLY PRESENTED) The apparatus of claim 15, wherein the apparatus is the

mobile node which moves among a plurality of nodes.

17. (CANCELED).

18. (PREVIOUSLY PRESENTED) The apparatus of claim 15, wherein the specified nodes are

mobile nodes.

19. (NEW) The method according to claim 1, where the selection of the candidate node occurs

without using a received signal strength indicator.

20. (NEW) The method according to claim 2, where the selection of the candidate node occurs

without using a received signal strength indicator.

21. (NEW) The apparatus according to claim 15, where the selection of the candidate node

occurs without using a received signal strength indicator.

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